

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of the claims.

Listing of Claims

1. (Currently amended) A chromatograph mass spectrometer for sequentially processing a sample, comprising:

a chromatograph portion connected to an introducing section for separating components in a sample introduced thereinto,

a flow path branch portion connected to an output of the chromatograph portion,

a mass ~~spectrometry~~ spectrum acquisition portion connected to a first output of the flow path branch portion for analyzing the components, and

a fraction collector connected to a second output of the flow path branch portion for collecting the respective components,

~~a setting device~~ an operating portion for setting a plurality of spectrometry conditions for the mass ~~spectrometry~~ spectrum acquisition portion beforehand,

a ~~spectrometry execution device~~ control portion connected to the mass ~~spectrometry~~ spectrum acquisition portion for executing a cycle of the mass ~~spectrometry~~ spectrum acquisition while changing the plurality of spectrometry conditions set by the ~~setting device~~ operating portion whenever one mass scan is carried out, said ~~spectrometry execution device~~ control portion sequentially executing the cycle of the mass spectrometry repeatedly, and

~~an operation device~~ a signal process portion adding spectrum intensities within a predetermined mass range obtained in the plurality of spectrometry conditions whenever the one cycle of the mass spectrometry is completed, ~~and adding sums of the spectrum~~

~~intensities to obtain chromatogram data, or obtaining the chromatogram data by adding the mass spectrum data with respect to a specific mass obtained by each mass scan,~~ said fraction collector collecting the components based on the chromatogram data obtained by the ~~operation device~~ signal process portion.

2-4. (Cancelled)

5. (Original) A chromatograph mass spectrometer according to claim 1, wherein said chromatograph mass spectrometer is a liquid chromatograph mass spectrometer.

6. (Currently amended) A chromatograph mass spectrometer according to claim 1, wherein said ~~spectrometry execution device~~ control portion executes the ~~spectrometry~~ mass spectrum in a molecular ion detection mode and a fragment ion detection mode alternately.

7. (Previously presented) A chromatograph mass spectrometer according to claim 1, wherein the plurality of spectrometry conditions are different ionization modes.

8. (New) A chromatograph mass spectrometer according to claim 1, wherein the control portion detects a starting point of a peak of an objective component.